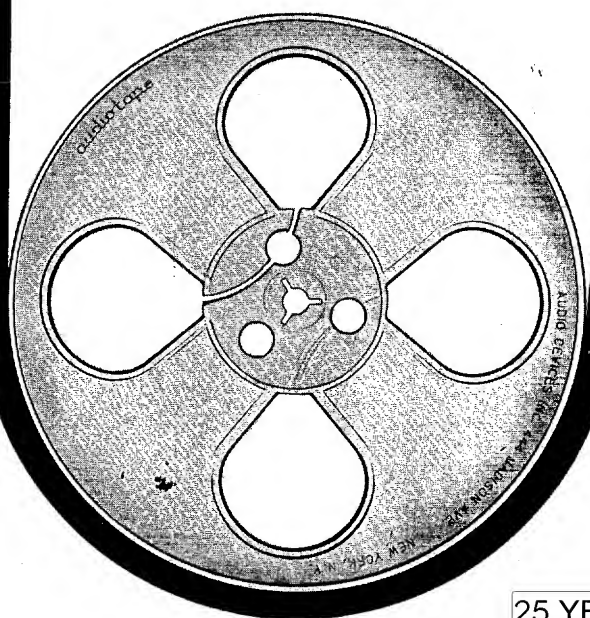


audiotape

PROFESSIONAL QUALITY, SPLICE-FREE
ON THE CONVENIENT C-SLOT REEL

TRADE MARK

TRIPLE
RECORDING
ON "TEMPERED" MYLAR*



25 YEAR RE-REVIEW



*DuPont trade mark
for its polyester film

MAGNETIC RECORDING TAPE MANUFACTURED BY AUDIO DEVICES, INC., NEW YORK, N.Y.

REELING

BX6734

Dual Track ☐

STEREO

Two Track ☐

Four Track ☒

[illegible]

GUARANTEE: Audiotape is manufactured by skilled technicians with great care. Audio Devices is sure that you will be satisfied with the results obtained with this magnetic tape and we assure you satisfaction with the following guarantee:

This magnetic tape will be replaced if defective in manufacture, labeling or packaging. There is no other warranty or liability, expressed or implied.

AUDIO DEVICES, INC.

235 East 42nd Street, New York, N. Y. 10017

U.S. Patents: 2692736 2700367 2714871

STARR

6734

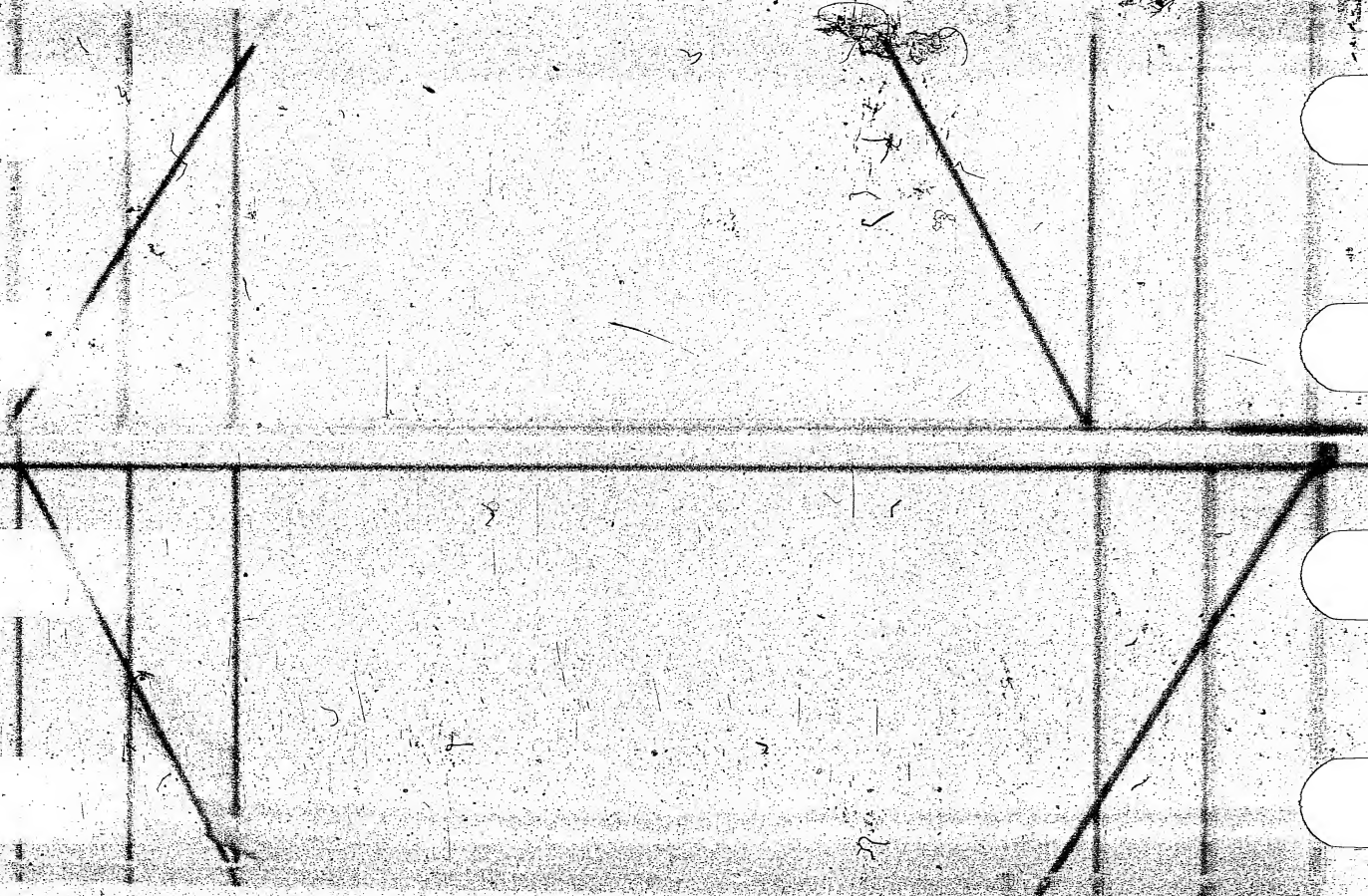
30 Oct 67

FS 52

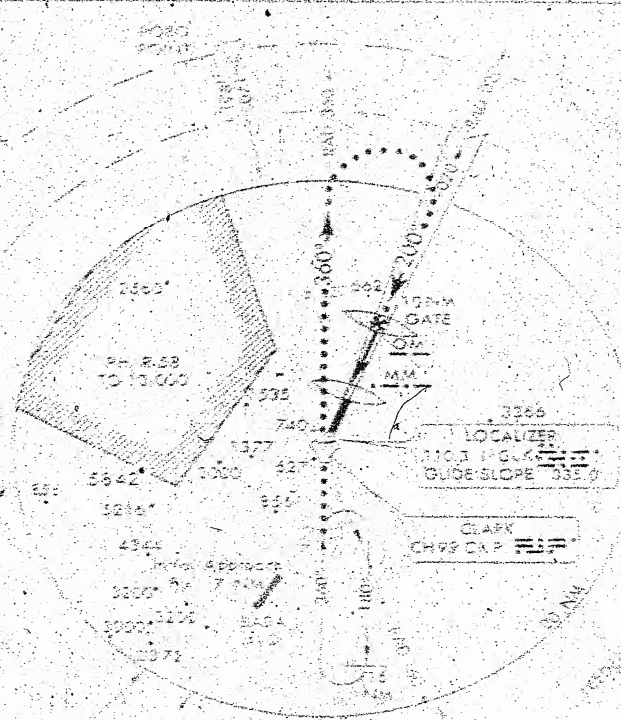
ROUTE

STRIP

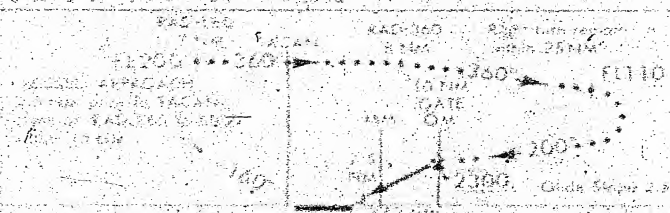
6734
38 52
30 00 67



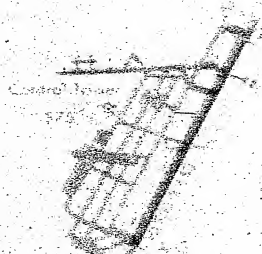
Approved For Release 2009/12/10 : CIA-RDP69B00041R001100060001-0

[illegible]

1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.



2000 MSL
 2000 MSL
 2000 MSL
 2000 MSL
 2000 MSL



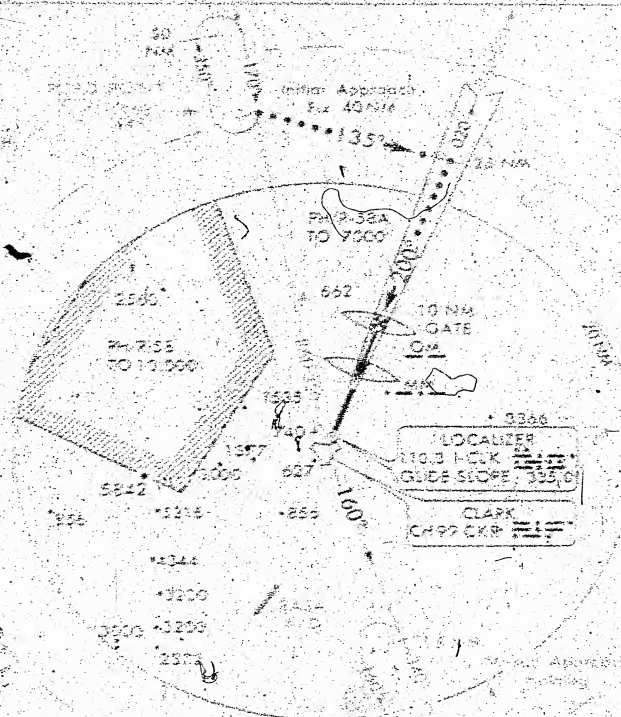
LACAN 2/11/5

CLARK

CLARK

TACAN-3/ILS

CLARK APP CON
DATA 138.4
CLARK TOWER
135.5 172.2
GND CON
171.5 121.5
RAT 155
DIRECTING AUTH

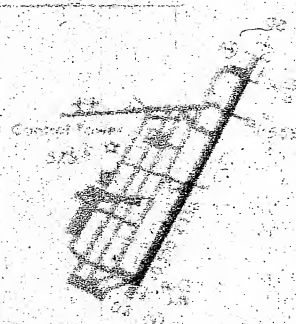
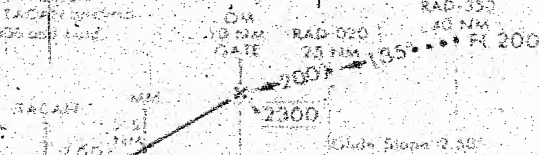


MIN SAFE ALT 25 NM 2300'
FIELD ELEV 475'

MIN SAFE ALT 25 NM 2300'
FIELD ELEV 475'

MIN SAFE ALT 25 NM 2300'
FIELD ELEV 475'

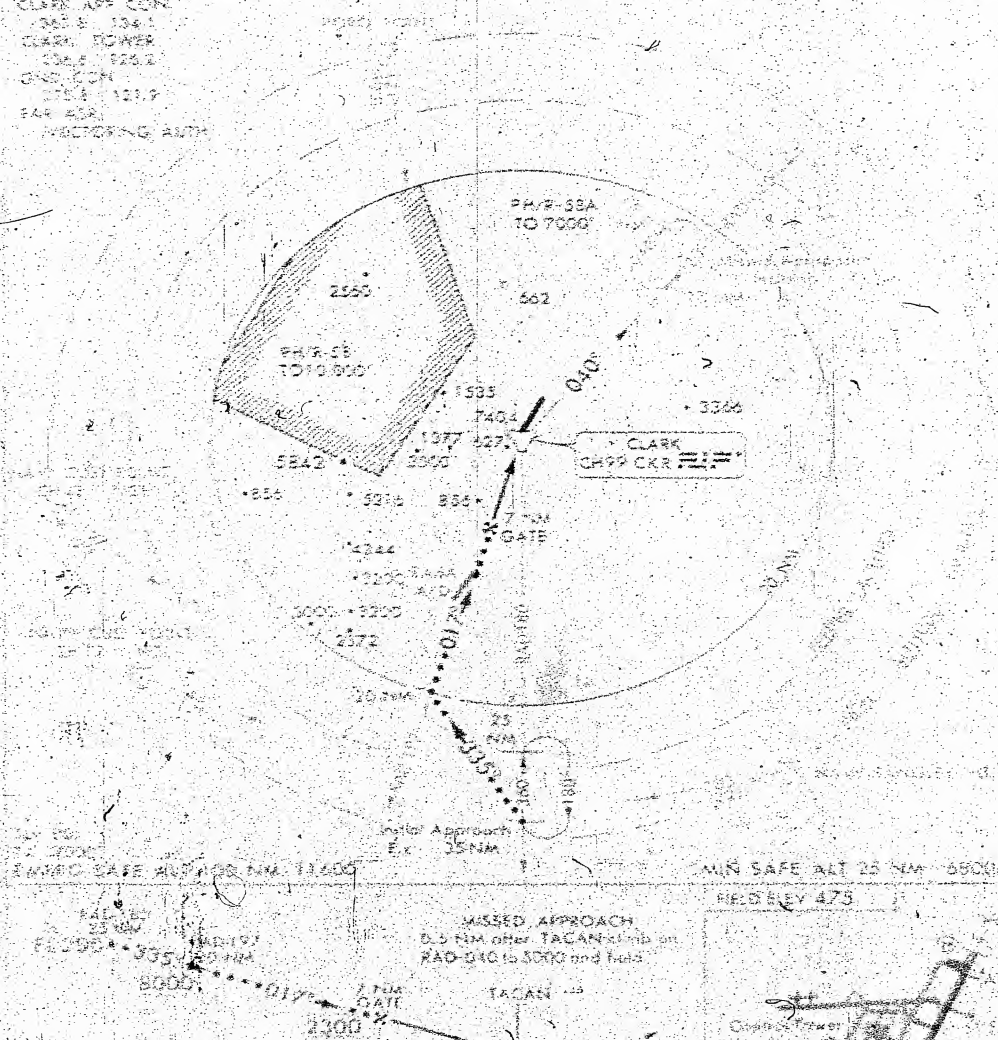
MIN SAFE ALT 25 NM 2300'
FIELD ELEV 475'



TACAN-3/ILS

CLARK

CLARK ASS CORP
100 E 104th
CLARK BOWER
100 E 104th
CLARKSON
100 E 104th
CLARKSON
100 E 104th
CLARKSON
100 E 104th
CLARKSON
100 E 104th



SAC: AIA in SAC: AIA Appendix B 5.1.1

ACANA-4

CLARK

КОНЕЦ

ANN 5792.227 25 JUN 1960

SAINT
RAD-03
15 MAR
200

1. DATE: 12/14/1971
 2. TIME: 12:40 PM
 3. LOCATION: Rm. 208
 4. BY: J. J. [illegible]
 5. FOR: [illegible]

REFERENCES

Figure 1

KADENA

KADENA

TACAN/ILS-2 RWY 05

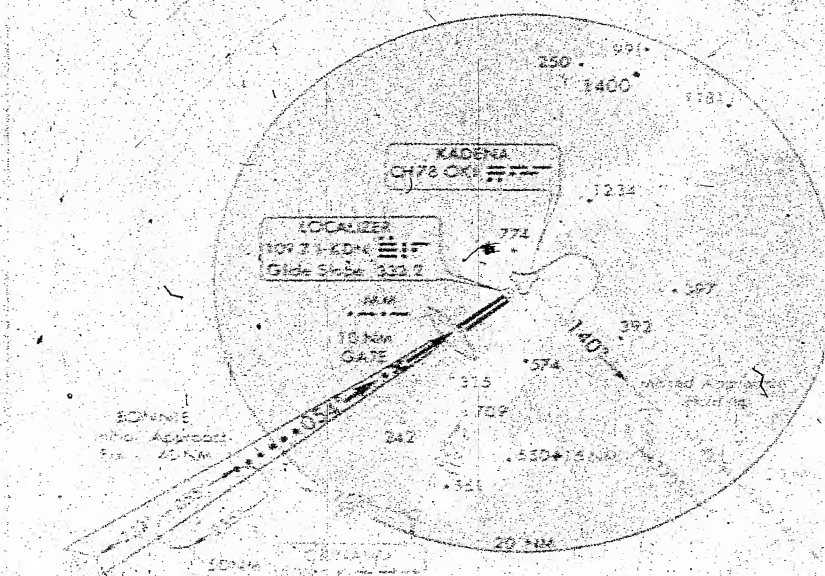
100

SAL 457 USAT

KADENA AIRBASE

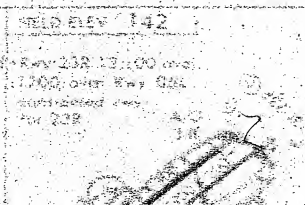
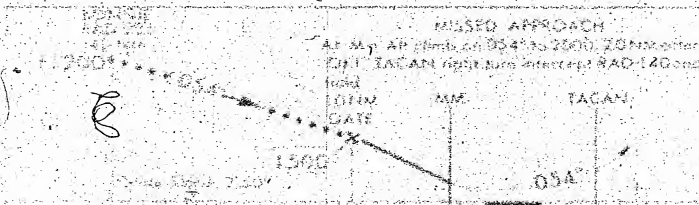
KADENA AB

KADENA AIRBASE
255.4 125.1
KADENA TOWER
319.5 234.2
OMG CON
X 373.8
228.452



MIN SAFE ALT 30 NM 1500

MIN SAFE ALT 30 NM 1500



Altitude	Distance	Altitude	Distance
342 MSL	200	342 MSL	200
400 MSL	300	400 MSL	300
800 MSL	700	800 MSL	700



TACAN/ILS 2 RWY 05

2000 127.452

KADENA

KADENA

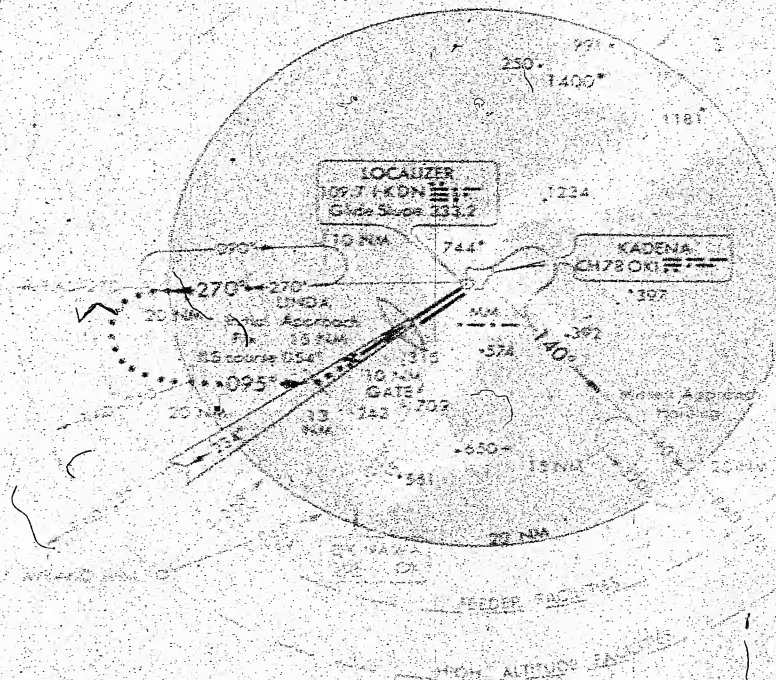
TACAN/ILS-4 RWY 05

142 1452 11347

KADENA 48

KADENA 48

KADENA APP CON
KADENA 125.5
KADENA TOWER
125.3 125.6
GND CON
125.2
PAR/ASR



TACAN

MINI RATE ALT 100 NM 2700

MINI RATE ALT 25 NM 2500

12000 270 1200

4000 095 2000 054

1300 054

1000 054

800 054

600 054

400 054

200 054

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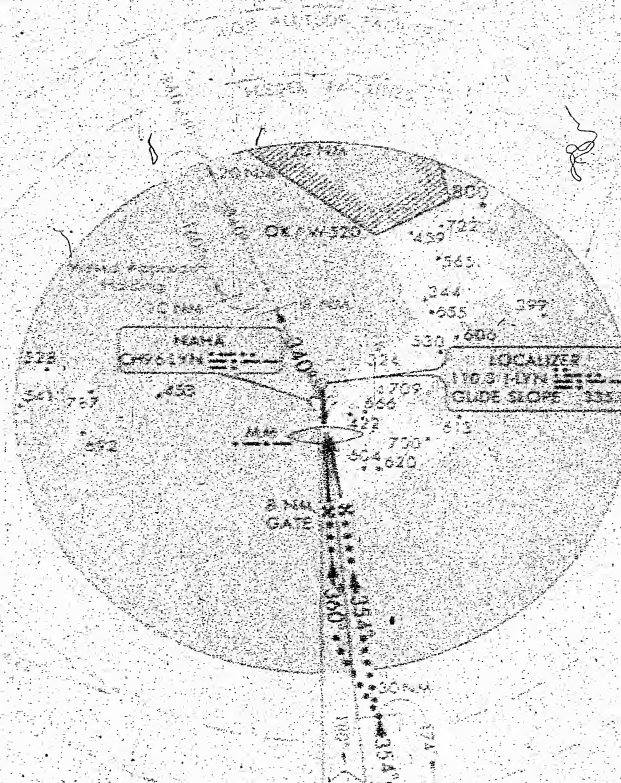
NAHA

TACAN/ILS RWY 36-1

SAFETY AREA

NAHA 35

ORIGIN: APP C-1
 231.4 135.9
 NAHA TOWER
 231.4 135.9
 136.2 116.2
 GND CON
 354.8
 PAR 155

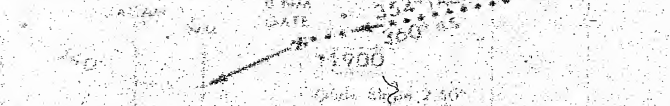


MIN SAFE ALT 100 NM 2700

MIN SAFE ALT 15 NM 1200

MIN SAFE ALT 15 NM 1200

WISSED APPROACH
 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.



| Altitude | Distance |
|----------|----------|
| 314 MSL | 100 NM |
| 300 MSL | 100 NM |
| 200 MSL | 100 NM |
| 100 MSL | 100 NM |

TACAN/ILS RWY 36-1

SAFETY AREA

NAHA 35

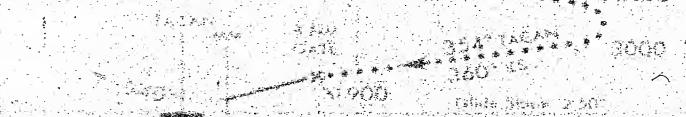
NAHA

138

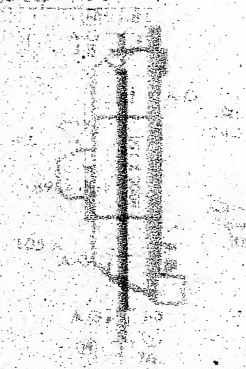
[illegible]

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

1992



| ENGINE MEDIA | |
|--------------|-----|
| 314 MS | 300 |
| 304 MS | 300 |
| 400 MS | 300 |
| 600 MS | 300 |



AA-575 RWY 26-2

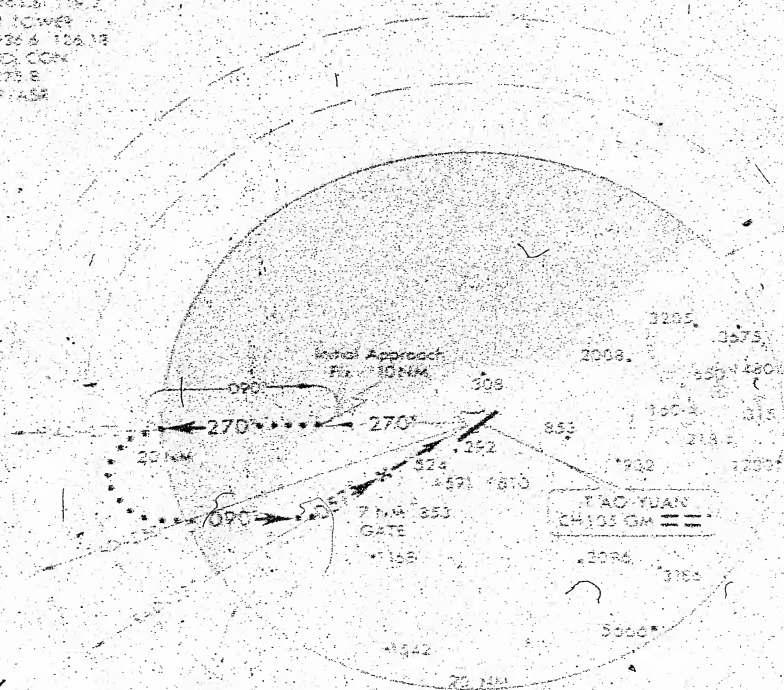
NADA

TACAN-2

202

T-AC-43A-2/0

736-4 126 18
GPO.COM
736 4
736 4



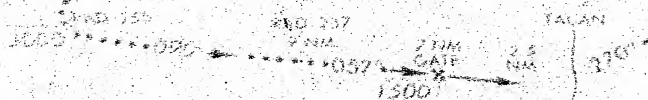
70-10721-10000

DATE SENT MAY 25 1960

100-175
1000
100-175 *** 20,000

WANTED APPROACH
13 MAY 0100 to TACAN 140
140 (140 to 140-230-14
2500

120-25-12



(Handwritten notes on the back of the document)

SOUTH EAST
SOUTH EAST

NOV 12

THE UNIVERSITY OF CHICAGO

CONFIDENTIAL

TAOYUAN

ARCP TO TAKHLI
161° / 112NM

POS (07) (37)
TIME 1456/16
FUEL 18.2/10.3

EXIT
"A" CODE
DTG 160 NM

START DESCENT

TIME 1442/1402
DTG 260 NM
FUEL 20.5/12.4

TACAN -ON
ARC 50 -ON
AR SCN -ON
IFF/SIF-OFF

Q-BAY "2"
EWS "OFF"
SIP "OFF"

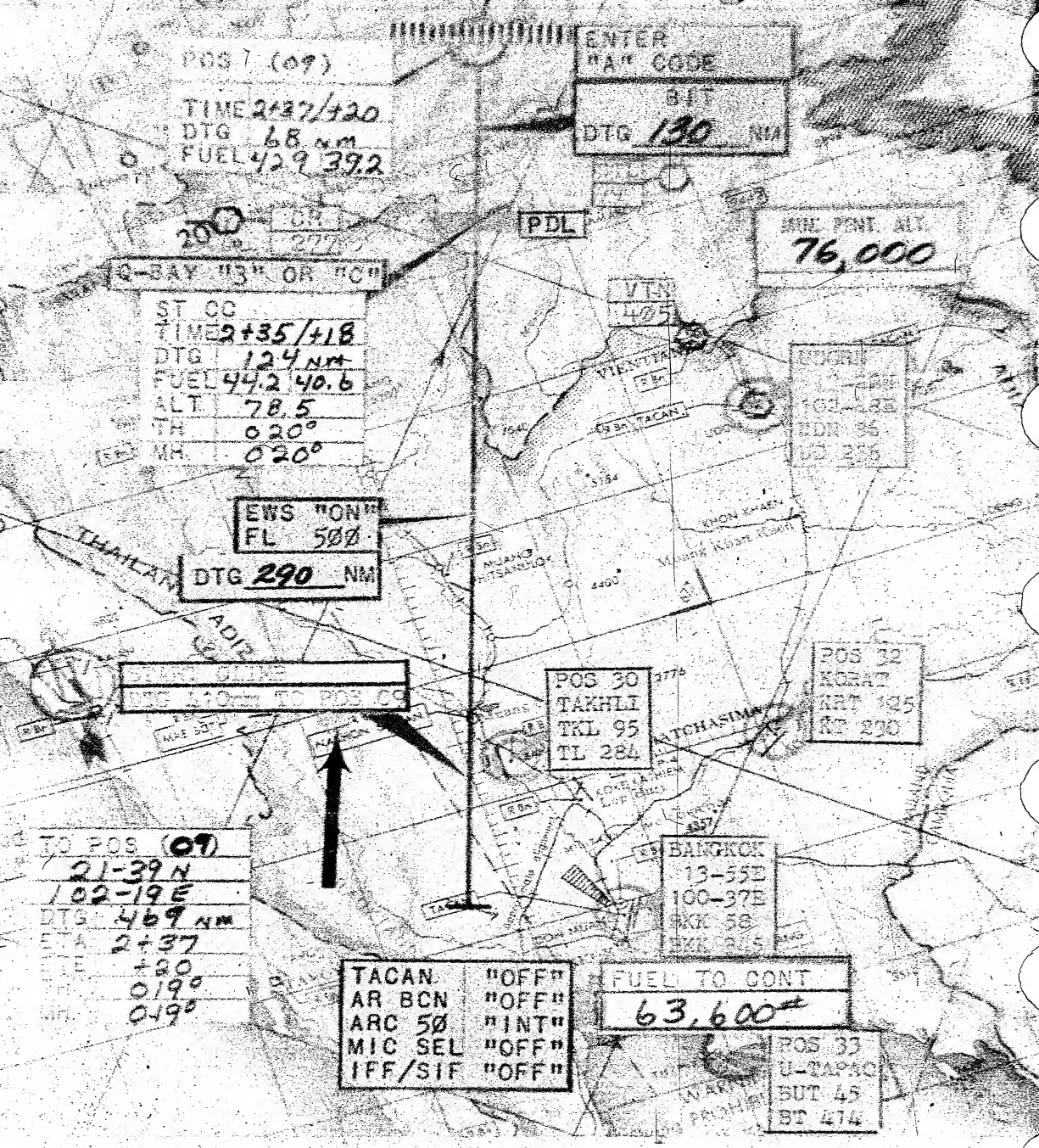
TO POS (07) (37)
17 20 N
99 42 E
DTG 358 NM
ETA 1456
ETE 418
TH 215°
MH 215°
FUEL 21.8/13.6

2
GHOST 44/45/46
ARCT 1456
PHI 09 19(389.0)
RED 09 20(394.0)
IN 50 CODE 50061-2

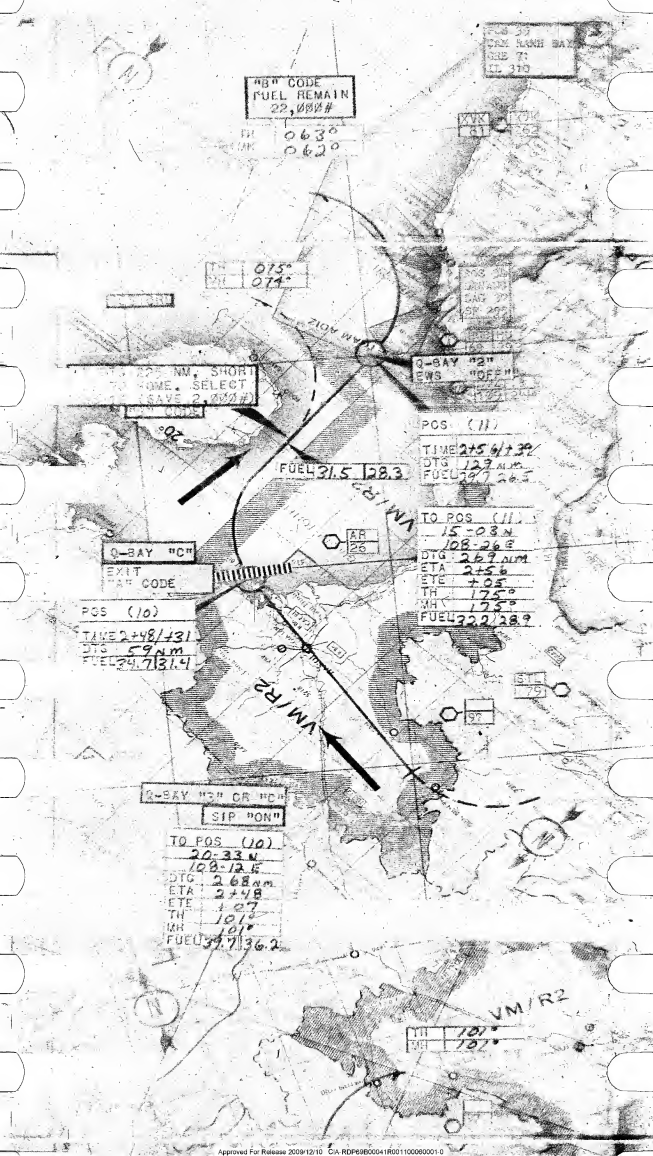
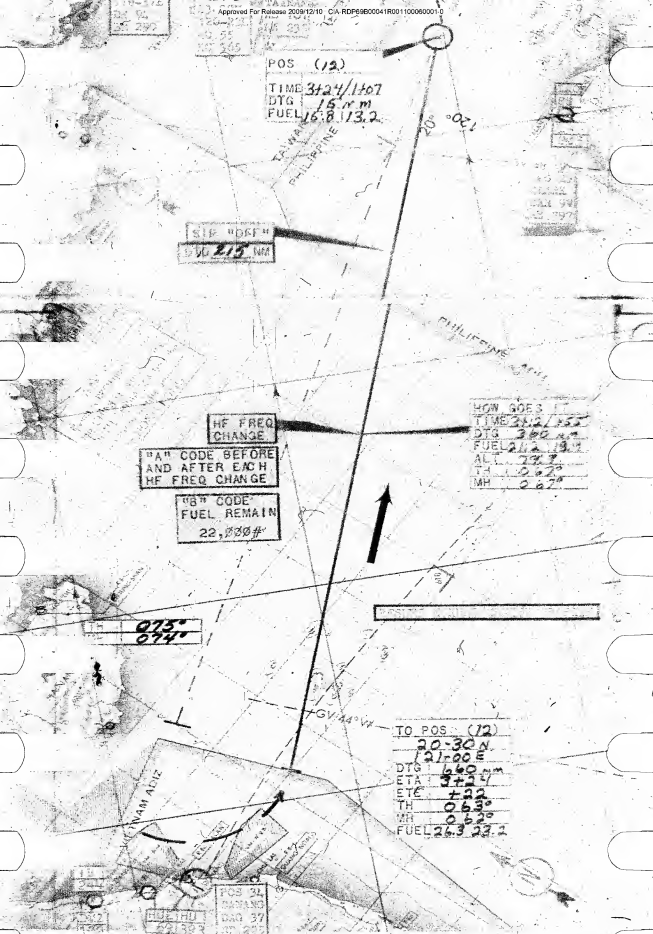
POS (06)
TIME 1434/13
DTG 164 NM
FUEL 24.2/15.1

Q-BAY "3" OR "0"

ENTER
"A" CODE
210



START 2A



CLARK

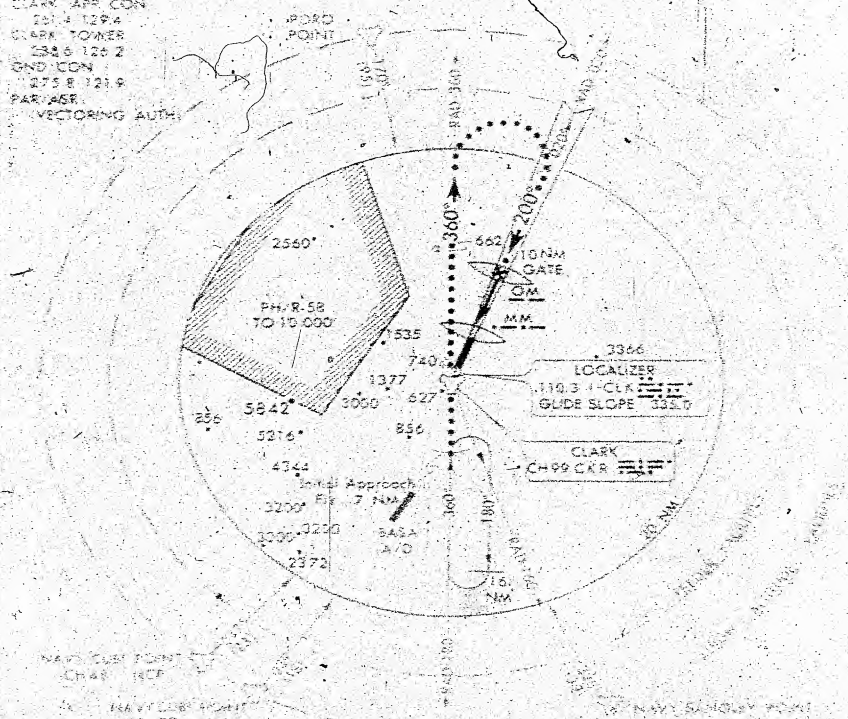
TACAN-2/ILS

CLARK APP CON
121.4 129.4
CLARK TOWER
123.6 125.2
GND CON
125.8 121.9
PAR/ASR
VECTING AUTH

JAN 1990 USAF

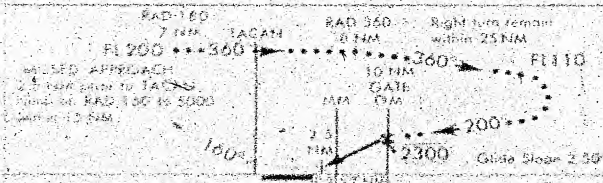
10000

CLARK AB

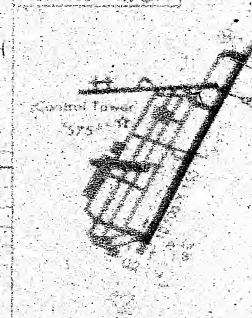


NAVY SANGLAY POINT
CH 99 CRR

MIN SAFE ALT 25 NM 6500



FIELD ELEV 475



| | |
|----------|------|
| 700 MSL | 2000 |
| 900 MSL | 4000 |
| 1000 MSL | 5000 |
| 800 MSL | 3000 |

TACAN-2/ILS

15 JAN 1990 334

55

10000

CLARK AB

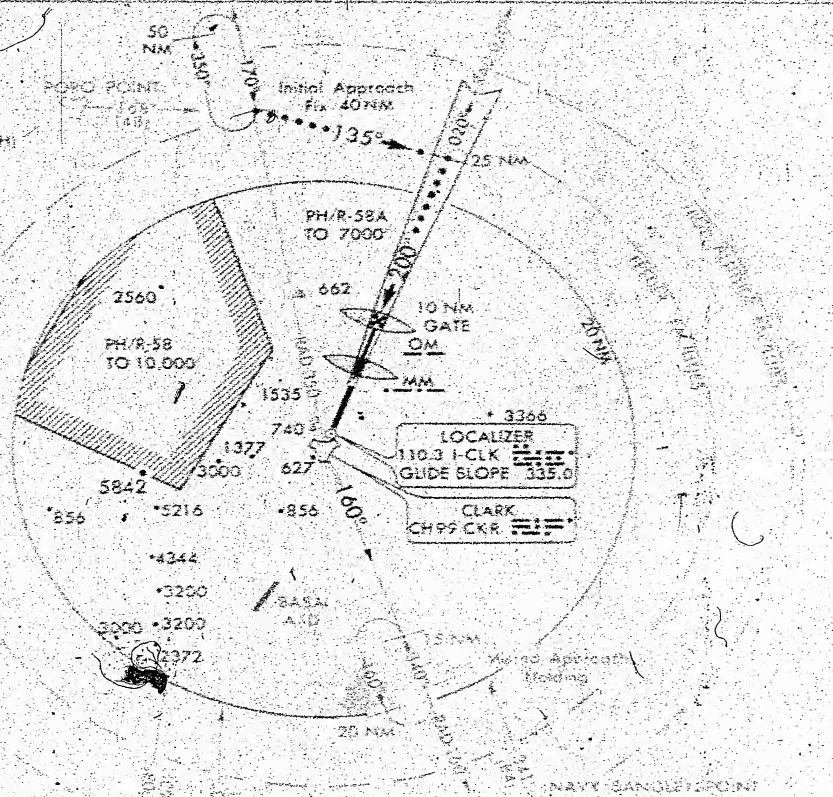
CLARK

CLARK

CLARK

TACAN-3/ILS

CLARK APP CON
281.4 129.4
CLARK TOWER
236.6 126.2
GND CON
275.8 121.8
PAR/ASR
VECTURING AUTH

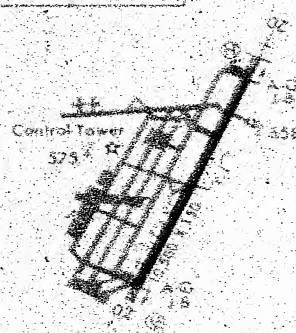
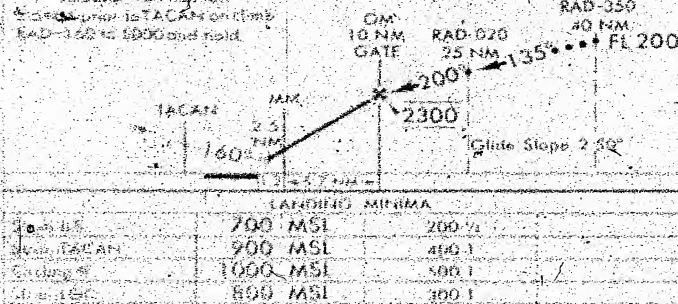


TLA 80
TA 7000
EMERG SAFE ALT 100 NM 11600

MISSILE APPROACH
2300 ft TACAN on climb
RAD-350 to 1000 and hold

MIN SAFE ALT 25 NM 6800

FIELD ELEV 475



TACAN-3/ILS

15° 11' N 120° 31' E

CLARK AB
GIVEN 1 REP OF THE PHILIPPINE

CLARK

CLARK 150

24 FEB 1954

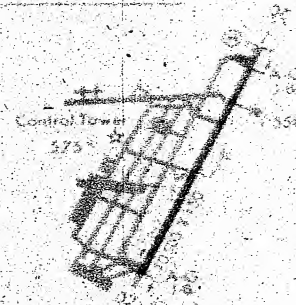
ORGAN? REI OF THE PAGE PRICES



EMERG SAFE ALL 100 NM 71600

MIN SAFE ALT 25 NM 6800

FIELD # 475



PENDING MINIMA

1000 MSI 500 I

TACAM is missed Appendix 0.5 Nm

| | | | | | |
|------|------|------|------|------|------|
| Knob | 170 | 140 | 160 | 180 | 200 |
| Min | 0.15 | 0.13 | 0.12 | 0.10 | 0.09 |

11-01-1941

TACANA

SECRET

CLARK

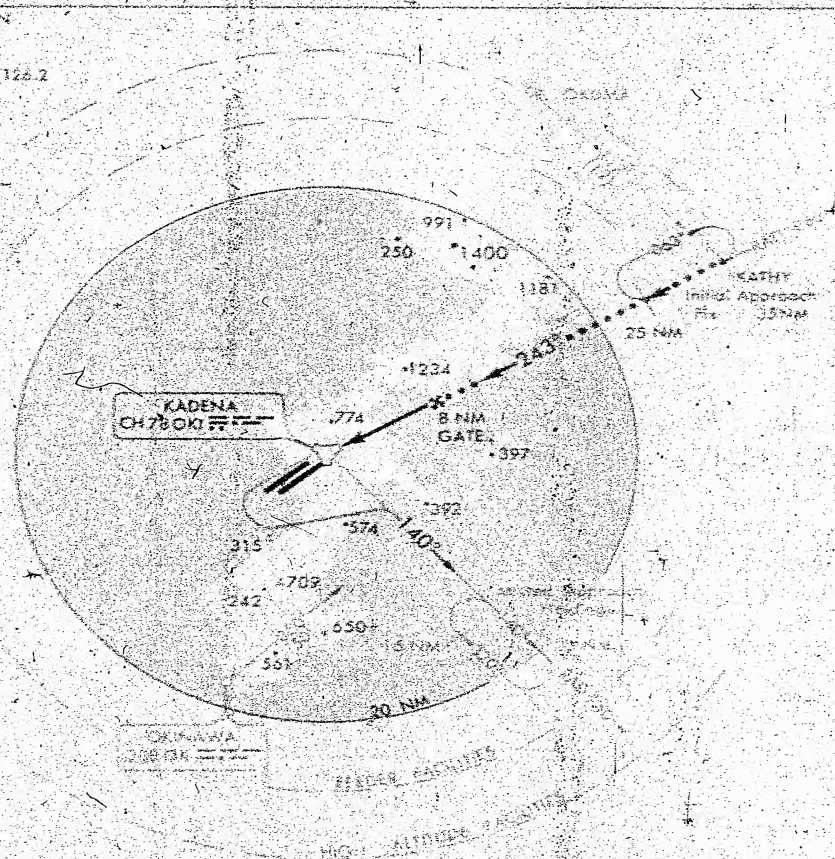
KADENA

TACAN-2, RWY 23

OKINAWA APP CON
288.4 135.9
KADENA FOWER
313.8 236.6 122.2
GND CON
276.8
HAG ASD

1990年12月25日

SADEMA 42



2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 26

ENCLOSURE NO. 2700

WATERLOO, ONTARIO
AT THREE O'CLOCK PM
SEP 15 1944
MRS. J. L. BROWN, JR.
WATERLOO, ONT. L4B 4M9
DEAR

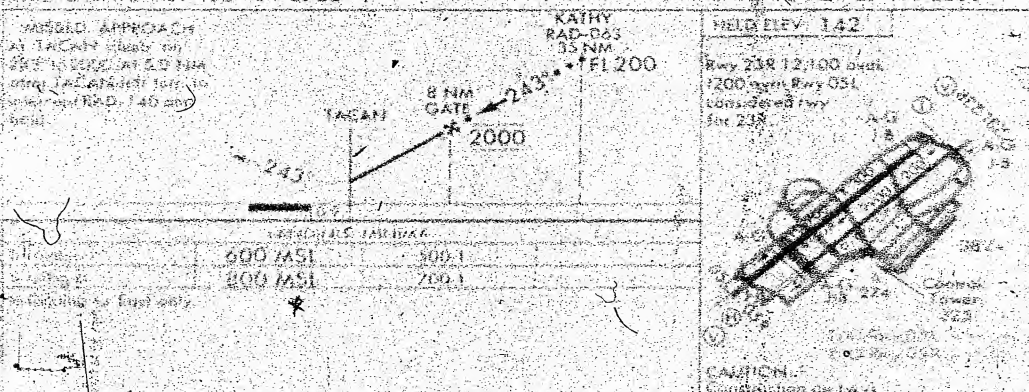
KATHY
RAD-DO
15 NM

• FL200

1990年12月24日

FIELD ELEV. 42

Rwy 218 12:00
1200 Rwy 031
considered rwy
the 218



ACAN 2 RWY 23

25-217-12-668

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Abstract

КОНЕЦ

KADENA

KADENA

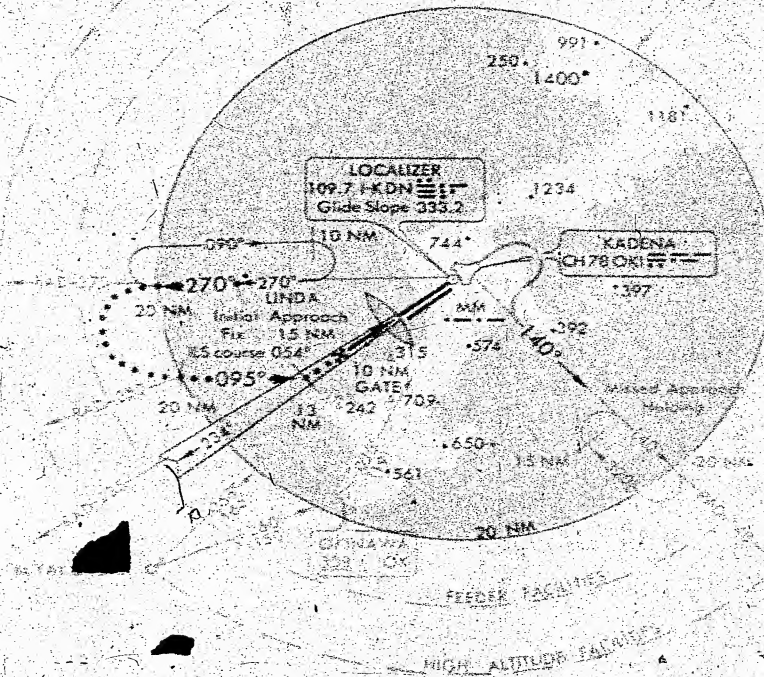
TACAN/ILS-4 RWY 05

JAL 1457 USA

KADENA JOKINAWA

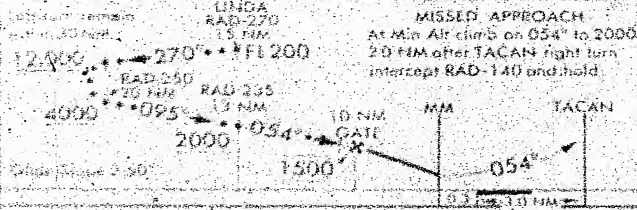
KADENA AB
TYUKUJI 52001

OKINAWA APP CON
255.4 135.9
KADENA TOWER
315.8 235.6 126.2
GND CON
275.8
PAR/ASR



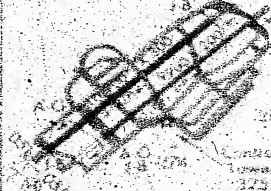
TA 18000
LIMITS GATE ALT 100 NM 2700

MIN SAFE ALT 25 NM 2000



FIELD ELEV 342

*Ray 23R 12,100' level
1200' above Rwy 05L
considered rwy
for 23R.



CAUTION
Construction on Rwy 23R

TACAN/ILS-4 RWY 05

26°11'N 127°46'E
101

KADENA JOKINAWA I. RYUKYU ISLANDS
KADENA AB

KADENA

156

34-1737-1656A

PLATE 35



MIN SAFE ALT 3500 2201

SHIRLEY
RAD 354
35 NM
24-1 FL200



2011-11-12 12:49:21

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

V.A.H.A.

УАД

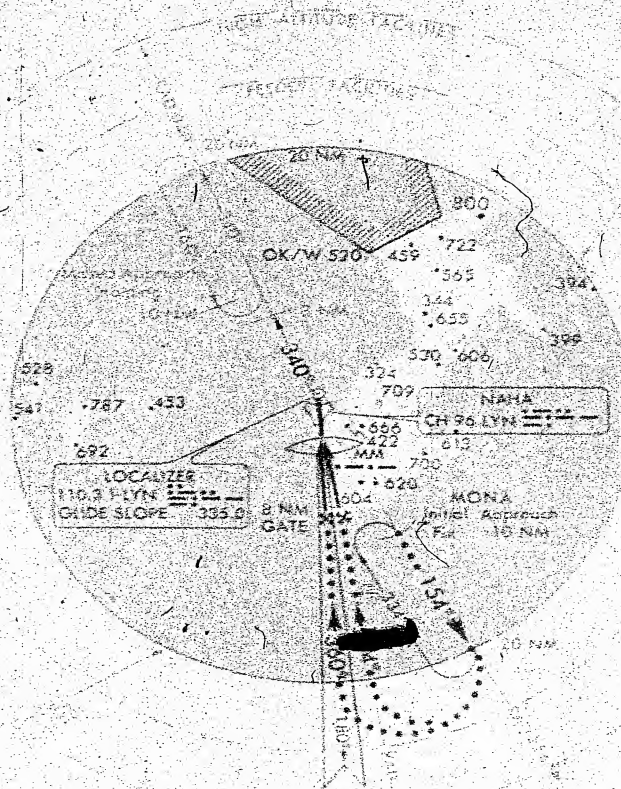
NAHA

TACAN/ILS-RWY 36-2

158

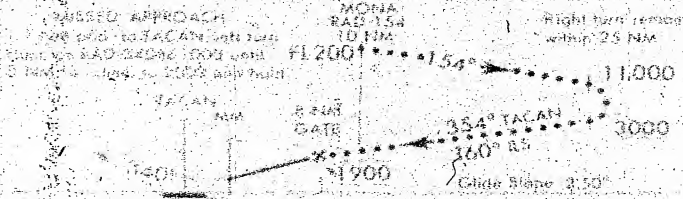
NAHA 48

OKNAWKA APP CON
235.4 132.9
NAHA TOWER
125.6 236.6
124.2 118.1
OKNAWKA
284.0
PARAS2



EMERGENCY ALT 100 NM 2700

MIN SAFE ALT 25 NM 2700



FIELD ELEV 14



| Altitude | Distance |
|------------|----------|
| 11,000 MSL | 10 NM |
| 3,000 MSL | 5 NM |
| 1,900 MSL | 2 NM |
| 1,900 MSL | 1 NM |

TACAN/ILS-RWY 36-2

20°11'N 157°39'W

NAHA 48

NAHA

104

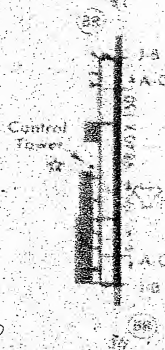
24-11-20



MIN. SAFE ALT 25 NM 2000

1.5 NM prior to TACAN class on
RAD-186 to 3000.

FIELD ELEV 112



15-14-N-1005-13-E

14/01/2014

TAKHLI

196

5 JAN 1960

[illegible]

MIN SAFE ALT 25 NM 3700

FIELD NO. 112

Control Tower

13-1674-100-184

TABLE A-10

TAKHLI

TAC-YUAN AND

PAR 53



T'AO-YUAN A O

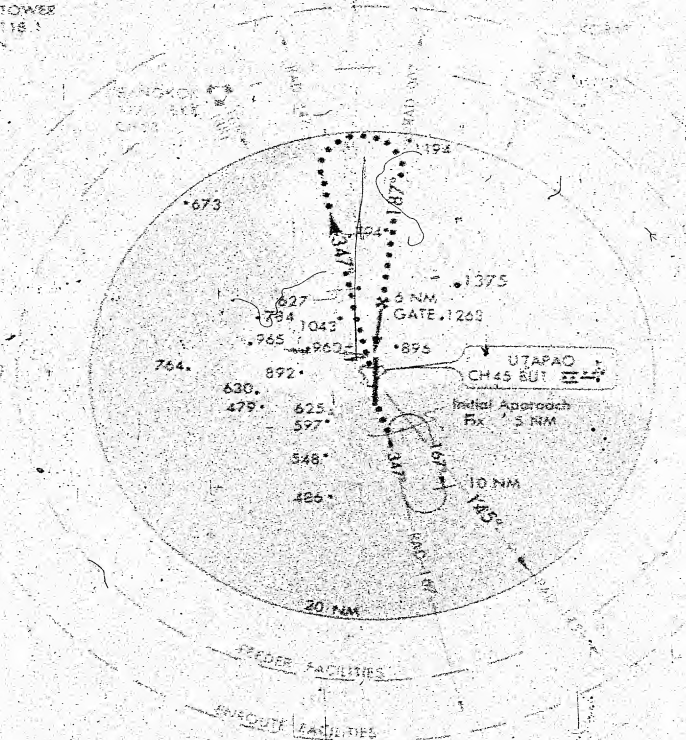
TAOYUAN

TACAN-2 RWY 18

UTAPAO APP CON
295.0 134.1
UTAPAO TOWER
122.0 118.1
GND CON
125.8
289.458

JAN 1972 USAF

UTAPAO A/D



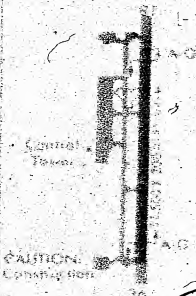
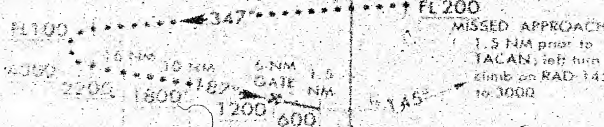
EMERG SAFE ALT 100 NM 7600

MIN SAFE ALT 25 NM 3400

Right turn on track
within 10 NM

RAD 167
TACAN 2 NA

FIELD ELEV 59



TACAN 2 RWY 18

12 41 N-101 01 E
213

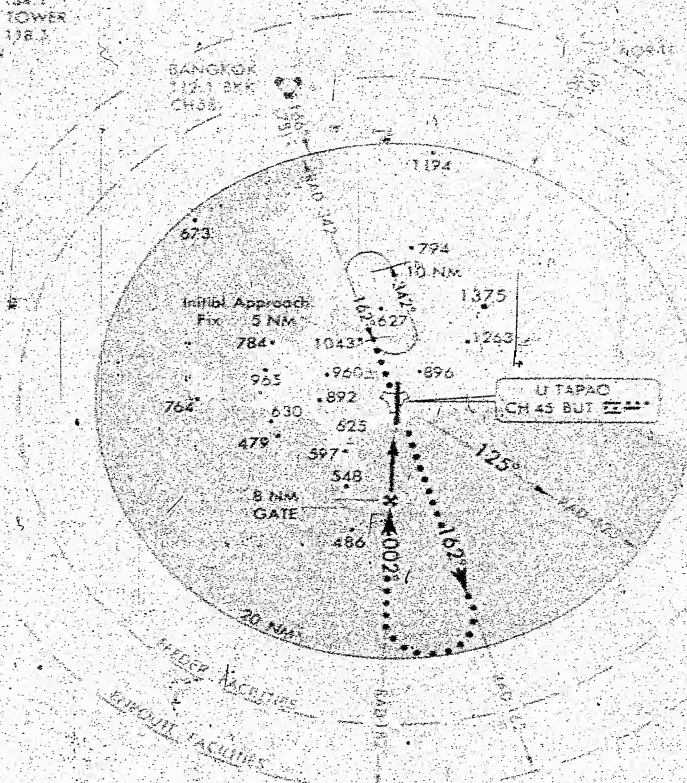
ASAC CHAIR

UTAPAO A/D

U TAPAO

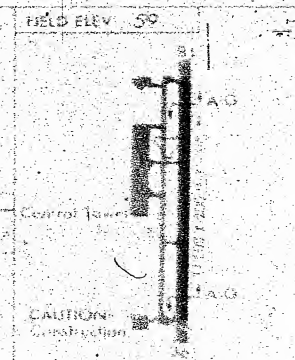
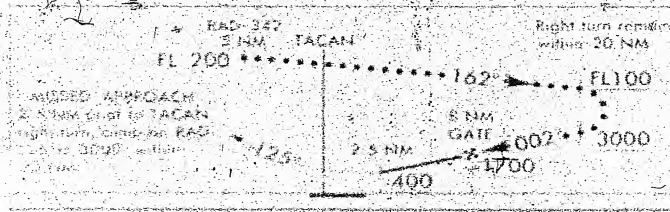
TACAN-2 RWY 36

U TAPAO APP CON
395.0 134.1
U TAPAO TOWER
227.0 118.1
GND CON
278.0
PAR/ASR



MIN SAFE ALT 100 NM 7600

MIN SAFE ALT 25 NM 3100



TACAN-2 RWY 36

U TAPAO

THE END

ROUTE

6734

PS 52
30 OCT 67

STRIP

ENP
6734 → 6734 →
3000+67 3000+67
FS52 FS52
FS5